

### **III. CNEP Site Detail Description Table**

**TABLE 1**  
**Environmental Parameters Monitored**  
**At Each CNEP Air Quality Monitoring Station in FY2011**

Site	Parameters
<b>Tablequah</b>	Continuous monitoring of O <sub>3</sub> Meteorological parameters (wind speed, wind direction, temperature, relative humidity, precipitation)
<b>Stilwell NCORE, CASTNet IMPROVE MDN</b>	NCORE (continuous monitoring of trace level SO <sub>2</sub> , CO, and NOy; continuous monitoring of non-trace level NOx, NO, and NO <sub>2</sub> ; continuous monitoring of PM2.5 & PM10 via FEM BAM) CASTNet program (continuous monitoring of O <sub>3</sub> ; dry deposition sampling for aerosol sulfate, nitrate, and ammonium; dry deposition sampling for gaseous SO <sub>2</sub> and nitric acid) Continuous monitoring of NH <sub>3</sub> , NOy, NO, and NOy-NO Mercury speciation via Tekran instrument (continuous monitoring) – EPA CAMD funding Depositional mercury via MDN sampling IMPROVE (speciated PM components affecting visibility, including PM2.5, PM10, Na, Mn, Fe, Pb, carbon, nitrate, nitrite, chloride, sulfate) <i>funding dependant</i> Passive sampling studies such as Hg and NH <sub>3</sub> . Meteorological parameters (wind speed, wind direction, temperature, relative humidity, precipitation, solar radiation) via CASTNet instruments
<b>Newkirk</b>	Continuous monitoring of O <sub>3</sub> , NOy, NO, NOy-NO Meteorological parameters (wind speed, wind direction, temperature, relative humidity, precipitation)
<b>Pryor</b>	Continuous monitoring of O <sub>3</sub> , NOy, NO, NOy-NO Meteorological parameters (wind speed, wind direction, temperature, relative humidity, precipitation)
<b>Roland</b>	Continuous monitoring of O <sub>3</sub> and NOx Meteorological parameters (wind speed, wind direction, temperature, relative humidity)
<b>Mobile monitor</b>	PM10 (via TEOM), PM2.5 (via TEOM), PMcoarse via difference method. Continuous monitoring of O <sub>3</sub> Meteorological parameters (wind speed, wind direction, temperature, relative humidity)



## Cherokee Nation Clean Air Program

FIGURE 1

